

PERMIT NUMBER  
LA0004154

## OFFICE OF WATER RESOURCES Water Discharge Permit

Pursuant to the Clean Water Act, as amended, (33 U.S.C. 1251 et seq.) and the Louisiana Environmental Quality Act, as amended, (La. R. S. 30:2001 et seq.) Rules and Regulations effective or promulgated under the authority of said Acts, and in reliance on statements and representations heretofore made in the application, a Louisiana Pollutant Discharge Elimination System permit is issued authorizing

Columbian Chemicals Company  
North Bend Carbon Black Plant  
Post Office Drawer 1149  
Franklin, Louisiana 70538

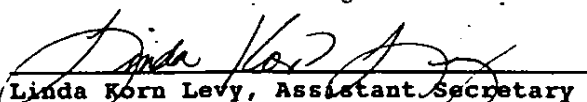
Type Facility: Carbon black manufacturing plant  
Location: North Bend off Highway 317  
St. Mary Parish  
Receiving Waters: Intracoastal Waterway via an unnamed ditch

to discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III attached hereto.

This permit shall become effective on *February 1, 1999*

This permit and the authorization to discharge shall expire five (5) years from the effective date of the permit.

Issued on *January 4, 1999*

  
Linda Korn Levy, Assistant Secretary  
Office of Water Resources

## PART I

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## EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 001, stormwater runoff, water softener regeneration water, reverse osmosis concentrate, boiler blowdown, miscellaneous small discharges and previously monitored once-through non-contact cooling water and ozonator scrubber water (estimated flow is 1.4 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>		<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
		Other Units					
		(lbs/day, UNLESS STATED) (mg/L, UNLESS STATED)					
	STORET	Monthly	Daily	Monthly	Daily	Measurement	Sample
	Code	Average	Maximum	Average	Maximum	Frequency	Type
Flow-MGD	50050	Report	Report	---	---	1/month	Estimate
TSS	00530	---	---	---	135	1/month	Grab
Oil & Grease	03582	---	---	---	15	1/month	Grab
TOC	00680	---	---	---	70	1/month	Grab
pH Minimum/Maximum Values	00400	---	---	6.0 (*1)	9.0 (*1)	1/month	Grab
(Standard Units)				(Min)	(Max)		

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 001, at the point of discharge from the ditch south of the south road and upstream of Snake River prior to combining with other waters.

FOOTNOTE(S):

(\*1) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

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## EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 101, once-through non-contact cooling water, reverse osmosis concentrate and ozonator scrubber water. (estimated flow is 1.4 MGD).

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	STORET Code	Discharge Limitations				Monitoring Requirements	
		Other Units				Measurement Frequency	Sample Type
		(lbs/day, UNLESS STATED)	(mg/L, UNLESS STATED)	Monthly Average	Daily Maximum		
Flow-MGD	50050	Report	Report	---	---	1/month	Estimate
Net TOC(*1)	00680	---	---	---	10	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 101, at the point of discharge from the heat exchanger cooling discharge line and after the combining of ozonator scrubber water and reverse osmosis concentrate prior to combining with other waters.

FOOTNOTE(S):

(\*1) Net outlet over inlet; shall require simultaneous sampling of outlet and inlet.

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## EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

During the period beginning the effective date and lasting through the expiration date the permittee is authorized to discharge from:

Outfall 002, the discharge of treated sanitary wastewater (estimated flow is 11,000 GPD).

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>		<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
		Other Units		(lbs/day, UNLESS STATED) (mg/L, UNLESS STATED)		Measurement Frequency	Sample Type
STORET Code		Monthly Average	Weekly Average	Monthly Average	Weekly Average		
Flow-MGD	50050	Report	Report	---	---	1/3 months	Estimate
BOD <sub>5</sub>	00310	---	---	30	45	1/3 months	Grab
TSS	00530	---	---	30	45	1/3 months	Grab
Fecal Coliform colonies/100 ml (*1)	74055	---	---	200	400	1/3 months	Grab
Minimum/Maximum Values (Standard Units)	00400	---	---	6.0 (*2) (Min)	9.0 (*2) (Max)	1/3 months	Grab

There shall be no discharge of floating solids or visible foam in other than trace amounts, nor of free oil or other oil materials, nor of toxic materials in quantities such as to cause acute toxicity to aquatic organisms. Furthermore, there shall be no visible sheen or stains attributable to this discharge.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 002, at the point of discharge from the treatment facility prior to combining with other waters.

FOOTNOTE(S):

(\*1) Future water quality studies may indicate potential toxicity from the presence of residual chlorine in the treatment facility's effluent. Therefore, the permittee is hereby advised that a future Total Residual Chlorine Limit may be required if chlorine is used as a method of disinfection. In many cases, this becomes a NO MEASURABLE Total Residual Chlorine Limit. If such a limit were imposed, the permittee would be required to provide for dechlorination of the effluent prior to discharge.

(\*2) The permittee shall report on the Discharge Monitoring Reports both the minimum and maximum instantaneous pH values measured.

PART II

OTHER REQUIREMENTS

In addition to the standard conditions required in all permits and listed in Part III, the Office has established the following additional requirements in accordance with the Louisiana Water Quality Regulations.

- A. The Department of Environmental Quality reserves the right to impose more stringent discharge limitations or additional restrictions, if necessary, to maintain the water quality integrity and the designated uses of the receiving water bodies.
- B. This permit does not in any way authorize the permittee to discharge a pollutant not listed or quantified in the application or limited or monitored for in the permit.
- C. Authorization to discharge pursuant to the conditions of this permit does not relieve the permittee of any liability for damages to state waters or private property. For discharges to private land, this permit does not relieve the permittee from obtaining approval from the landowner for appropriate easements and rights of way.
- D. For definitions of monitoring and sampling terminology see Part III, Section F.
- E. 24-HOUR ORAL REPORTING: DAILY MAXIMUM LIMITATION VIOLATIONS

Under the provisions of Part III.D.6.b.(3) of this permit, violations of daily maximum limitations for the following pollutants shall be reported orally to the Office of Water Resources within 24 hours from the time the permittee became aware of the violation followed by a written report in five days.

Pollutant(s):

None

- F. 40 CFR PART 136 (See LAC 33:IX.2531) ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed at 40 CFR Part 136, and in particular, Appendices A, B, and C (See LAC 33:IX.2531).

- G. FLOW MEASUREMENT "ESTIMATE" SAMPLE TYPE

If the flow measurement sample type in Part I is specified as "estimate", flow measurements shall not be subject to the accuracy provisions established at Part III.C.6 of this permit. The daily flow value may be estimated using best engineering judgement.

## OTHER REQUIREMENTS (continued)

H. STORMWATER DISCHARGED OTHER THAN THROUGH PERMITTED OUTFALL(S)

Any runoff leaving developed areas of the facility, other than through the permitted outfall(s), exceeding 50 mg/l TOC, 15 mg/l Oil and Grease, or having a pH less than 6.0 or greater than 9.0 standard units shall be a violation of this permit.

- I. The permittee shall achieve compliance with the effluent limitations and monitoring requirements specified for discharges in accordance with the following schedule:

Effective date of the permit

J. OIL AND GREASE ALTERNATIVE TEST PROCEDURE, METHOD 1664

Proposed Method 1664 [Federal Register, Vol. 61, No. 15, January 23, 1996, page 1730] may be used as an oil and grease alternative test procedure for permit compliance monitoring purposes. This approval shall expire at the time of the publication in the Federal Register of the final rule governing the use of Method 1664. This approval includes all of the analytical options within Method 1664, including solid phase extraction, provided that the equivalency demonstration is performed and all performance specifications are met. Please note that the equivalency demonstration is required for each outfall.

K. DISCHARGE MONITORING REPORTS

Monitoring results must be reported on a Discharge Monitoring Report (DMR) form (EPA No. 3320-1 or an approved substitute). All monitoring reports must be retained for a period of at least three (3) years from the date of the sample measurement. The permittee shall make available to this Office, upon request, copies of all monitoring data required by this permit.

If there is a no discharge event at any of the monitored outfall(s) during the sampling period, enter "No Discharge" in the upper right corner of the Discharge Monitoring Report.

Monitoring results for each month shall be summarized on a Discharge Monitoring Report (DMR) Form (one DMR Form per month) and submitted to this Office on a quarterly basis or as per established practice. The schedule for quarterly DMR submission is as follows:

Monitoring PeriodDMR Due Date

January, February, March  
April, May, June  
July, August, September  
October, November, December

April 28th  
July 28th  
October 28th  
January 28th

## **STATEMENT OF BASIS ADDENDUM**

- I. THE APPLICANT IS:** Columbian Chemicals Company  
North Bend Carbon Black Plant  
Post Office Drawer 1149  
Franklin, Louisiana 70538
- II. PREPARED BY:** Ken A. Fledderman  
**DATE PREPARED:** December 16, 1998
- III. PROPOSED CHANGES TO DRAFT LPDES PERMIT, LA0004154, ISSUED ON NOVEMBER 5, 1998:**

Changes from draft permit made due to Columbian Chemicals Company's comments are:

1. Add small miscellaneous discharges to Outfall 001.
2. Add reverse osmosis concentrate to Outfall 101.
3. Clarify Outfall 101 sample location.